CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD
SAN DIEGO REGION

TENTATIVE ADDENDUM NO. 5 TO ORDER NO. 99-74

WASTE DISCHARGE REQUIREMENTS FOR
THE SYCAMORE LANDFILL INC., A SUBSIDIARY OF
REPUBLIC SERVICES INC., SYCAMORE LANDFILL, SAN DIEGO COUNTY

The California Regional Water Quality Control Board, San Diego Region (hereinafter San Diego Water Board) finds that:

Waste Disposal Capacity

1. The Sycamore Landfill (Landfill) is a municipal solid waste (MSW) landfill operated by Sycamore Landfill Inc., (hereinafter, Discharger), a wholly owned subsidiary of Republic Services Inc. Discharges to the Landfill are regulated under Order No. 99-74, **"Waste Discharge Requirements for the Sycamore Landfill Inc., a Subsidiary of Allied Waste Industries Inc., Sycamore Landfill, San Diego County,"** and Addenda Nos. 1 through 4 issued by the San Diego Water Board on October 13, 1999, June 8, 2005, June 19, 2013, April 15, 2015, and March 9, 2016 respectively.

2. The Sycamore Landfill is a 491-acre Class III solid waste facility located north of the San Diego River and west of the City of Santee within Little Sycamore Canyon.

3. The Sycamore Landfill has an estimated 37,835,550 cubic yards (approximately 29,133, 370 tons) of remaining capacity for solid waste and daily cover soil.[1] The Landfill owner has estimated the operational life of the site to be until October 2031.[2]

   The Discharger is in the process of laterally expanding the landfill in a four-stage process (Stages I through IV), with several of the expansion units divided into sub-stages. The next unit to be constructed is Stage IV-C. Discharge specifications for the liner design for this stage were not included in Order No. 99-74 and Addenda. This Addendum prescribes waste discharge requirements for the construction of, and subsequent solid waste disposal operations only in Stage IV-C of the Sycamore Landfill.

[1] Estimates based on information reported in CalRecycle's SWIS database (2014) and capacity estimates assume a conversion calculation of 1,540 pounds per cubic yard or 0.77 tons per cubic yards.
[2] Joint Technical Document (JTD) dated November 2011.

4. The Stage IV-C unit incorporates the same liner design as constructed in previous Stages[3] and approved in Addendum No. 4 to this Order.

5. The expansion unit Stage IV-C will increase the footprint and disposal capacity for solid wastes by adding approximately 2.4 acres of lined waste disposal area with an additional capacity of 450,000 cubic yards or 346,500 tons.

California Environmental Quality Act

6. An Environmental Impact Report (EIR) for the project was certified by the City of San Diego, as lead agency, on September 20, 2012 pursuant to the requirements of the California Environmental Quality Act (CEQA) (Public Resources Code section 21000, et seq.). The San Diego Water Board is a responsible agency under CEQA. As such, the Board considered the EIR and the project's environmental effects as described in those documents. The San Diego Water Board concurs that the project will have either no impacts or less than significant impacts on matters with the Board's jurisdiction.

Public Participation

7. The San Diego Water Board has notified interested agencies, and all interested persons known to the Board of its intent to amend waste discharge requirements for the Sycamore Landfill.

8. The San Diego Water Board, in a public meeting, heard and considered all comments pertaining to the expansion of the Sycamore Landfill.

IT IS HEREBY ORDERED, that subsection (a) of Discharge Specification B.29 (as amended by Addendum No. 4 to Order No. 99-74), is revised as shown in underline/strikeout text below.

a. The composite liner system for Stages III & IV (comprised of phases III-A, III-B, III-C, III-D1, III-D2, IV, ~~and~~IV-B, and IV-C) shall be constructed as follows:

Expansion Unit	Basal Composite Liner System (Top to Bottom)	Sideslope Composite Liner System (Top to Bottom)
Stages III- A & III-B	2-feet protective cover soil layer 8-ounce nonwoven geotextile 1-foot gravel LCRS layer 16- or 18-ounce geotextile 60 mil HDPE (both sides textured) GCL	Two feet protective cover soil 60 mil HDPE (single side textured, textured side down) GCL 40 mil HDPE (both sides textured) Prepared subgrade

[3] The base liner system is consistent with the previously approved and constructed liner system found in Addendum 4 to this Order describing Stages III-B, III-C, III-D2, and IV.

Expansion Unit	Basal Composite Liner System (Top to Bottom)	Sideslope Composite Liner System (Top to Bottom)
	40 mil HDPE (both sides textured) Prepared subgrade	
Stage III-C, III-D1, III-D2,	Two feet protective cover soil layer 8-ounce nonwoven geotextile 1-foot gravel LCRS layer 16-ounce nonwoven geotextile 60 mil HDPE (both sides textured) GCL 40 mil HDPE (both sides textured) prepared subgrade.	Two feet protective cover soil layer 8-ounce nonwoven geotextile 60 mil HDPE (single side textured, textured side down)[1] GCL 40 mil HDPE (both sides textured), prepared subgrade.
Stage IV , IV-B, IV-C	Two feet protective cover soil layer 8-ounce nonwoven geotextile 1-foot gravel LCRS layer 16-ounce nonwoven geotextile 60 mil HDPE (both sides textured) GCL 40 mil HDPE (both sides textured) prepared subgrade.	Not applicable for Stage IV-A, ~~and~~ IV-B, and IV-C.

I, David W. Gibson, Executive Officer, do hereby certify the foregoing is a full, true, and correct copy of an Order adopted by the California Regional Water Quality Control Board, San Diego Region, on June 21, 2017

TENTATIVE
DAVID W. GIBSON
Executive Officer